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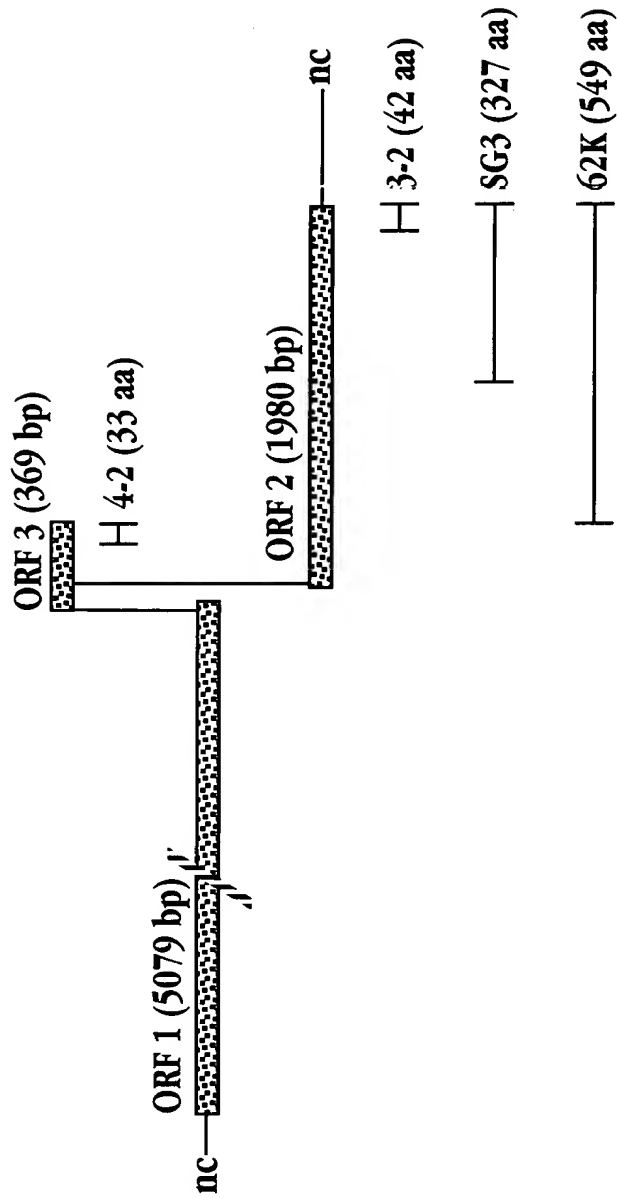


Fig. 1

	I-ORF3-->			I-ORF2-->		
	5110v	5120v	5130v	5140v	5150v	5160v
-BURMA	TGGAATGAATAACATGTCTTTTGCTGCGCCCATGGGTTTCGCGACCATGCGCCCTCGGCCT					
-MEXICO	GAATGAATAACATGT TTTGCTGCGCCCATGGGTTTCG ACCATGCGCCCT GGCCT CTGAATGAATAACATGTGGTTTGCTGCGCCCATGGGTTCCGCCACCATGCGCCCTAGGCCT					
	5170v	5180v	5190v	5200v	5210v	5220v
-BURMA	ATTTTGTTGCTGCTCCTCATGTTTTTGCTATGCTGCCCGCGCCACCGCCCGGTTCAGCCG					
-MEXICO	TTTTG TG TG TCCTC TGTTT TGCCTATG TGCCCGCGCCACCG CCGGTTCAGCCG CTTTTGCTGTTGTTCTCTTGTTTCTGCTATGTTGCCCGCGCCACCGACCGGTTCAGCCG					
	5230v	5240v	5250v	5260v	5270v	5280v
-BURMA	TCTGGCCGCGCGTCGTGGGCGGCGCAGCGGCGGTTCGGCGGTGGTTTTCTGGGGTGACCCG					
-MEXICO	TCTGGCCGCGCGTCGTGGGCGGCGCAGCGGCGGT CCGCGGTGGTTTTCTGGGGTGACCCG TCTGGCCGCGCGTCGTGGGCGGCGCAGCGGCGGTACGGCGGTGGTTTTCTGGGGTGACCCG					
	5290v	5300v	5310v	5320v	5330v	5340v
-BURMA	GTTGATTCTCAGCCCTTCGCAATCCCTATATTTCATCCAACCAACCCCTTCGCCCCCGAT					
-MEXICO	GTTGATTCTCAGCCCTTCGCAATCCCTATATTTCATCCAACCAACCCCTT GCCCC GA GTTGATTCTCAGCCCTTCGCAATCCCTATATTTCATCCAACCAACCCCTTTGCCCCAGAC					
	I-406.4-2-->					
	5350v	5360v	5370v	5380v	5390v	5400v
-BURMA	GTCACCGCTGCGGCCGGGCTGGACCTCGTGTTCGCCAACC CGCCGACCACTCGGCTCC					
-MEXICO	GT CCGCTGCG CCGGG CTGGACCTCG TTGCCAACC GCCCG CCACT GGCTCC GTTGCCGCTGCGTCCGGGTCTGGACCTCGCCTTCGCCAACCAGCCCGGCACTTGCTCC					
	5410v	5420v	5430v	5440v	5450v	5460v
-BURMA	GCTTGGCGTGACCAGGCCAGCGCCCGCCGTTGCCTCACGTCGTAGACCTACCACAGCT					
-MEXICO	CTTGGCG GA CAGGCCAGCGCCCC CCG TGCCTC GTCG GACCT CCACAGC ACTTGGCGAGATCAGGCCAGCGCCCTCCGCTGCCTCCCGTCGCCGACCTGCCACAGCC					
	<--406.4-2-I					
	<-ORF3--I					
	5470v	5480v	5490v	5500v	5510v	5520v
-BURMA	GGGGCCGCGCCGCTAACCGCGGTGCTCCGGCCCATGACACCCCGCCAGTGCCTGATGTC					
-MEXICO	GGGGC GCG CGCT AC GC GT GC CC GCCCATGACACC C CC GT CC GA GT GGGGCTGCGCGCTGACGGCTGTGGCGCCTGCCCATGACACCTCACCCGTCCCGGACGTT					
	5530v	5540v	5550v	5560v	5570v	5580v
-BURMA	GACTCCCGCGCGCCATCTTGCGCGGCAGTATAACCTATCAACATCTCCCCTTACCTCT					
-MEXICO	GA TC CGCGG GC AT T CGCG CAGTATAA T TC AC TC CCCCT AC TC GATTCTCGCGGTGAATTCTACGCGCCAGTATAAATTTGTCTACTTACCCCTGACATCC					
	5590v	5600v	5610v	5620v	5630v	5640v
-BURMA	TCCGTGGCCACCGGCACTAACCTGGTTCTTTATGCCGCCCTCTTAGTCCGCTTTTACCC					
-MEXICO	TC GTGGCC C GGCATAA T GT CT TATGC GCCCC CTTA TCCGC T T CC TCTGTGGCCTCTGGCACTAATTTAGTCCTGTATGCAGCCCCCTTAATCCGCTCTGCCG					

Fig. 2A

	5650v	5660v	5670v	5680v	5690v	5700v
-BURMA	CTTCAGGACGGCACCAATACCCATATAATGGCCACGGAAGCTTCTAAATTATGCCCAGTAC					
	CT CAGGACGG AC AATAC CA AT ATGGCCAC GA GC TC AATTATGC CAGTAC					
-MEXICO	CTGCAGGACGGTACTAATACTCACATTATGGCCACAGAGGCCTCCAATTATGCACAGTAC					
	5710v	5720v	5730v	5740v	5750v	5760v
-BURMA	CGGGTTGCCCCGTGCCACAATCCGTTACCGCCCGCTGGTCCCCAATGCTGTGGCGGTTAC					
	CGGGTTGCCCCG GC AC ATCCGTTACCG CC CT GT CC AATGC GT GG GG TA					
-MEXICO	CGGGTTGCCCCGCGTACTATCCGTTACCGGCCCTAGTGCCTAATGCAGTTGGAGGCTAT					
					trpE- (C2) I->	
	5770v	5780v	5790v	5800v	5810v	5820v
-BURMA	GCCATCTCCATCTCATTCTGGCCACAGACCACCACCACCCCGACGTCCTGATATGAAT					
	GC AT TCCAT TC TTCTGGCC CA AC ACCAC ACCCC AC TC GTTGA ATGAAT					
-MEXICO	GCTATATCCATTTCCTTCTGGCCTCAAACAACCACAACCCCTACATCTGTTGACATGAAT					
	5830v	5840v	5850v	5860v	5870v	5880v
-BURMA	TCAATAACCTCGACGGATGTTCTGATTTTAGTCCAGCCCGGCATAGCCTCTGAGCTTGTG					
	TC AT AC TC AC GATGT G ATT T GT CA CC GGCATAGC TCTGA T GT					
-MEXICO	TCCATTACTTCCACTGATGTCAGGATTCTTGTTCAACCTGGCATAGCATCTGAATTGGTC					
	5890v	5900v	5910v	5920v	5930v	5940v
-BURMA	ATCCCAAGTGAGCGCCTACACTATCGTAACCAAGGCTGGCGCTCCGTCGAGACCTCTGGG					
	ATCCCAAG GAGCGCCT CACTA CG AA CAAGG TGGCGCTC GT GAGAC TCTGG					
-MEXICO	ATCCCAAGCGAGCGCCTTCACTACCGCAATCAAGGTTGGCGCTCGGTTGAGACATCTGGT					
	5950v	5960v	5970v	5980v	5990v	6000v
-BURMA	GTGGCTGAGGAGGAGGCTACCTCTGGTCTTGTTATGCTTTGCATACATGGCTCACTCGTA					
	GT GCTGAGGAGGA GC ACCTC GGTCTTGT ATG T TGCATACATGGCTC C GT					
-MEXICO	GTTGCTGAGGAGGAAGCCACCTCCGGTCTTGTCATGTTATGCATACATGGCTCTCCAGTT					
	6010v	6020v	6030v	6040v	6050v	6060v
-BURMA	AATTCCTATACTAATAACCCCTATACCGGTGCCCTCGGGCTGTGAGCTTTGCCCTTGAG					
	AA TCCTATAC AATAC CC TATACCGGTGCCCT GG T TGGACTTTGCC T GAG					
-MEXICO	AACTCCTATACCAATACCCCTTATACCGGTGCCCTTGGCTTACTGGACTTTGCCTTAGAG					
	6070v	6080v	6090v	6100v	6110v	6120v
-BURMA	CTTGAGTTTCGCAACCTTACCCCGGTAACACCAATACGCGGGTCTCCCGTTATTCCAGC					
	CTTGAGTTTCGCAA CT ACC CC GTAACACCAATAC CG GT TCCCGTTA TCCAGC					
-MEXICO	CTTGAGTTTCGCAATCTCACCACCTGTAACACCAATACACGTGTGTCCTTACTCCAGC					
			I-SG3-->			
	6130v	6140v	6150v	6160v	6170v	6180v
-BURMA	ACTGCTCGCCACCGCCTTCGTCGCGGTGCGGACGGGACTGCCGAGCTCACCACCACGGCT					
	ACTGCTCG CAC C CG G G GACGGGACTGC GAGCT ACCAC AC GC					
-MEXICO	ACTGCTCGTCACTCCGCCCGAGGGGCC---GACGGGACTGCCGAGCTGACCACAACCTGCA					

Fig. 2B

	6190v	6200v	6210v	6220v	6230v	6240v
-BURMA	GCTACCCGCTTTATGAAGGACCTCTATTTTACTAGTACTAATGGTGTGCGGTGAGATCGGC					
	GC ACC G TT ATGAA GA CTC A TTTAC G TAATGG GT GGTGA TCGGC					
-MEXICO	GCCACCAGGTTTCATGAAAGATCTCCACTTTACCGGCTTAATGGGGTAGGTGAAGTCGGC					
	6250v	6260v	6270v	6280v	6290v	6300v
-BURMA	CGCGGGATAGCCCTCACCCGTGTTCAACCTTGCTGACACTCTGCTTGGCGGCCTGCCGACA					
	CGCGGGATAGC CT AC T T AACCTTGCTGACAC CT CT GGCGG CT CCGACA					
-MEXICO	CGCGGGATAGCTCTAACATTACTTAACCTTGCTGACACGCTCCTCGGCGGGCTCCCGACA					
	6310v	6320v	6330v	6340v	6350v	6360v
-BURMA	GAATTGATTTTCGTGCGCTGGTGGCCAGCTGTTCTACTCCCGTCCCGTTGTCTCAGCCAAT					
	GAATT ATTTTCGTGCGCTGG GG CA CTGTT TA TCCG CC GTTGTCTCAGCCAAT					
-MEXICO	GAATTAAATTTTCGTGCGCTGGCGGCAACTGTTTTATTCCCGCCCGTTGTCTCAGCCAAT					
	6370v	6380v	6390v	6400v	6410v	6420v
-BURMA	GGCGAGCCGACTGTTAAGTTGTATACATCTGTAGAGAATGCTCAGCAGGATAAGGGTATT					
	GGCGAGCC AC GT AAG T TATACATC GT GAGAATGCTCAGCAGGATAAGGGT TT					
-MEXICO	GGCGAGCCAACCGTGAAGCTCTATACATCAGTGGAGAATGCTCAGCAGGATAAGGGTGT					
	6430v	6440v	6450v	6460v	6470v	6480v
-BURMA	GCAATCCCGCATGACATTGACCTCGGAGAATCTCGTGTGGTTATTTCAGGATTATGATAAC					
	GC ATCCC CA GA AT GA CT GG GA TC CGTGTGGT ATTTCAGGATTATGA AAC					
-MEXICO	GCTATCCCCCACGATATCGATCTTGGTGATTGCGTGTGGTCATTTCAGGATTATGACAA					
	6490v	6500v	6510v	6520v	6530v	6540v
-BURMA	CAACATGAACAAGATCGGCCGACGCCCTTCTCCAGCCCCATCGCGCCCTTTCTCTGTCCCT					
	CA CATGA CA GATCGGCC AC CC TC CC GC CCATC CG CCTTT TCTGT CT					
-MEXICO	CAGCATGAGCAGGATCGGCCACCCCGTCGCGCTGCGCCATCTCGGCCCTTTTCTGTCTC					
	6550v	6560v	6570v	6580v	6590v	6600v
-BURMA	CGAGCTAATGATGTGCTTTGGCTCTCTCTCACCCTGCGGAGTATGACCAGTCCACTTAT					
	CGAGC AATGATGT CTTTGGCT TC CTCAC GC GCCGAGTATGACCAGTCCACTTA					
-MEXICO	CGAGCAAATGATGTACTTTGGCTGTCCCTCACTGCAGCCGAGTATGACCAGTCCACTTAC					
	6610v	6620v	6630v	6640v	6650v	6660v
-BURMA	GGCTCTTCGACTGGCCCCAGTTTATGTTTCTGACTCTGTGACCTTGGTTAATGTTGCGACC					
	GG TC TC ACTGGCCC GTTTAT T TC GAC GTGAC TTGGT AATGTTGCGAC					
-MEXICO	GGGTCGTCAACTGGCCCCGTTTATATCTCGGACAGCGTGACTTTGGTGAATGTTGCGACT					
	6670v	6680v	6690v	6700v	6710v	6720v
-BURMA	GGCGCGCAGGCCGTTGCCCGGTGCTCGATTGGACCAAGGTCACACTTGACGGTCGCCCC					
	GGCGCGCAGGCCGT GCCCG TCGCT GA TGG CCAA GTCAC CT GACGG CG CCC					
-MEXICO	GGCGCGCAGGCCGTAGCCCGATCGCTTGACTGGTCCAAAGTCACCCTCGACGGGCGGCC					
	6730v	6740v	6750v	6760v	6770v	6780v
-BURMA	CTCTCCACCATCCAGCAGTACTCGAAGACCTTCTTTGTCTGCGCTCCGCGGTAAGCTC					
	CTC C AC T AGCA TA TC AAGAC TTCCTTGT CT CC CT CG GG AAGCTC					
-MEXICO	CTCCCGACTGTTGAGCAATATTCCAAGACATTCTTTGTGCTCCCCCTTCGTGGCAAGCTC					

Fig. 2C

6790v 6800v 6810v 6820v 6830v 6840v
 -BURMA TCTTTCTGGGAGGCAGGCACAACCTAAAGCCGGGTACCCTTATAATTATAACACCACTGCT
 -MEXICO TC TT TGGGAGGC GGCACAAC AAAGC GG TA CCTTATAATTATAA AC ACTGCT
 TCCTTTTGGGAGGCCGGCACAACAAAGCAGGTTATCCTTATAATTATAATACTACTGCT

6850v 6860v 6870v 6880v 6890v 6900v
 -BURMA AGCGACCAACTGCTTGTGCGAGAATGCCGCCGGGCACCGGGTCGCTATTTCCTACTTACACC
 -MEXICO AG GACCA T CT T GA AATGC GCCGG CA CGGGTCGC ATTTC AC TA ACC
 AGTGACCAGATTCTGATTGAAAATGCTGCCGGCCATCGGGTCGCCATTTC AACCTATAACC

6910v 6920v 6930v 6940v 6950v 6960v
 -BURMA ACTAGCCTGGGTGCTGGTCCCGTCTCCATTCTGCGGTTGCCGTTT TAGCCCCCACTCT
 -MEXICO AC AG CT GG GC GGTCC GTC CCATTCTGCGG GC GTTTT GC CC C CTC
 ACCAGGCTTGGGGCCGGTCCGGTCCGCATTCTGCGGCCGCGGTTT TGGCTCCACGCTCC

I-406.3-2-->
 6970v 6980v 6990v 7000v 7010v 7020v
 -BURMA GCGCTAGCATTGCTTGAGGATACCTTGGACTACCTTGCCCGCGCCCATACITTTTGATGAT
 -MEXICO GC CT GC TGCT GAGGATAC TT GA TA CC G CG GC CA AC TTTGATGA
 GCCCTGGCTCTGCTGGAGGATACTTTTGATTATCCGGGGCGGGCGCACACATTTGATGAC

7030v 7040v 7050v 7060v 7070v 7080v
 -BURMA TTCTGCCCAGAGTGCCGCCCCCTTGGCCTTCAGGGCTGCGCTTTCAGTCTACTGTGCGCT
 -MEXICO TTCTGCCC GA TGCCGC C T GGCCT CAGGG TG GCTTTCAGTC ACTGTGCGCT
 TTCTGCCCTGAATGCCGCGCTTTAGGCCTCCAGGGTTGTGCTTTCAGTCAACTGTGCGCT

<--SG3-I
 <--406.3-2-I
 7090v 7100v 7110v 7120v 7130v 7140v
 -BURMA GAGCTTCAGCGCCTTAAGATGAAGGTGGGTAAAACTCGGGAGTTGTAGTTTATTTGCTTG
 -MEXICO GAGCT CAGCGCCTTAA T AAGGTGGGTAAAACTCGGGAGTTGTAGTTTATT TG
 GAGCTCCAGCGCCTTAAAGTTAAGGTGGGTAAAACTCGGGAGTTGTAGTTTATT TGGCTG

7150v 7160v 7170v 7180v 7190v
 -BURMA TGCCCCCCTTCTTTCTGTGTC-----TTATTTCTCATTTCTGCGTTCCGCGCTCCC
 -MEXICO TGCCC CCT CTT TGC TTATTTT TTTCT GT CCGCGCTCCC
 TGCCCACCTACTTATATCTGCTGATTTCCCTTTATTTCCCTTTTTCTCGGTCCC GCGCTCCC

<-I ORF2
 v 7195
 -BURMA TGA
 -MEXICO TGA

Fig. 2D

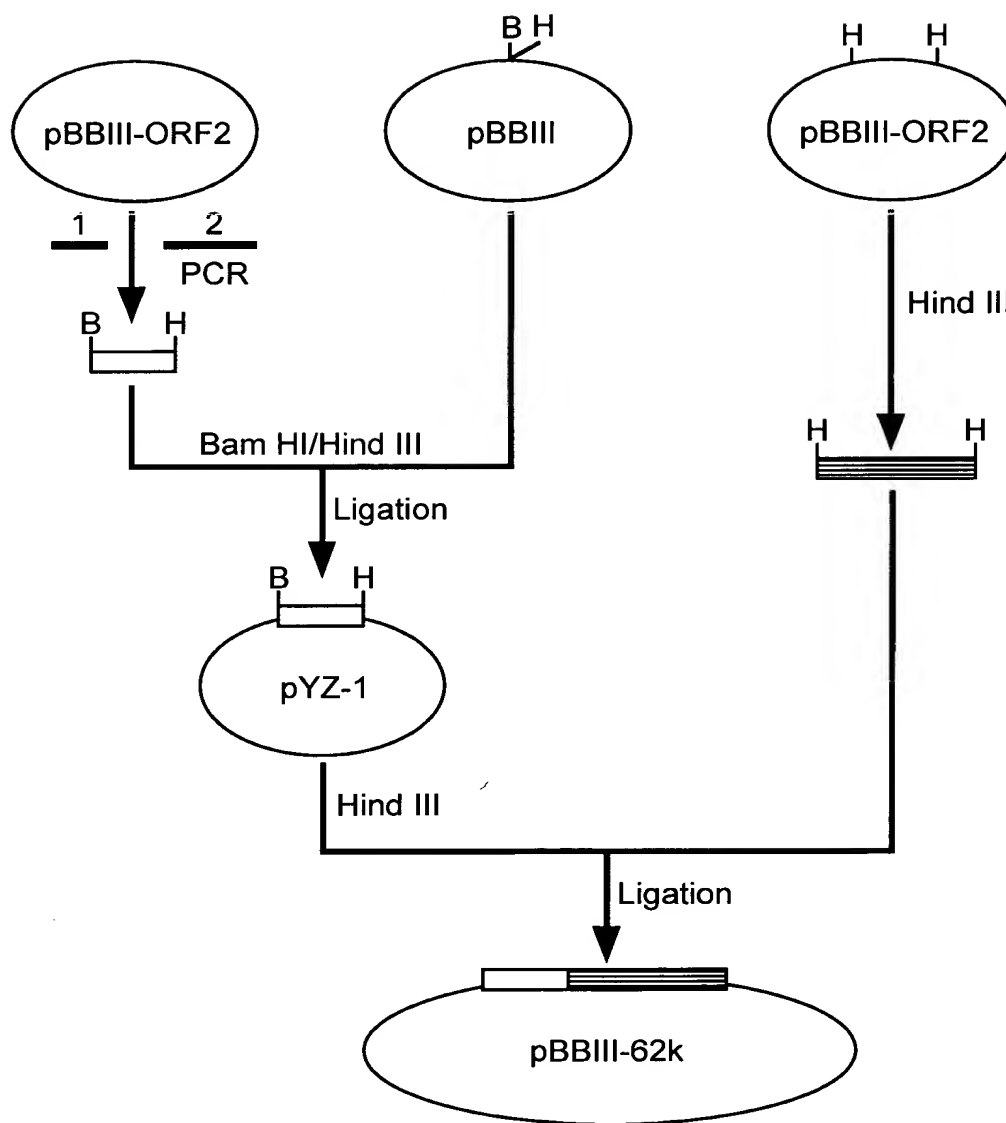


Fig. 5

0920005-0101

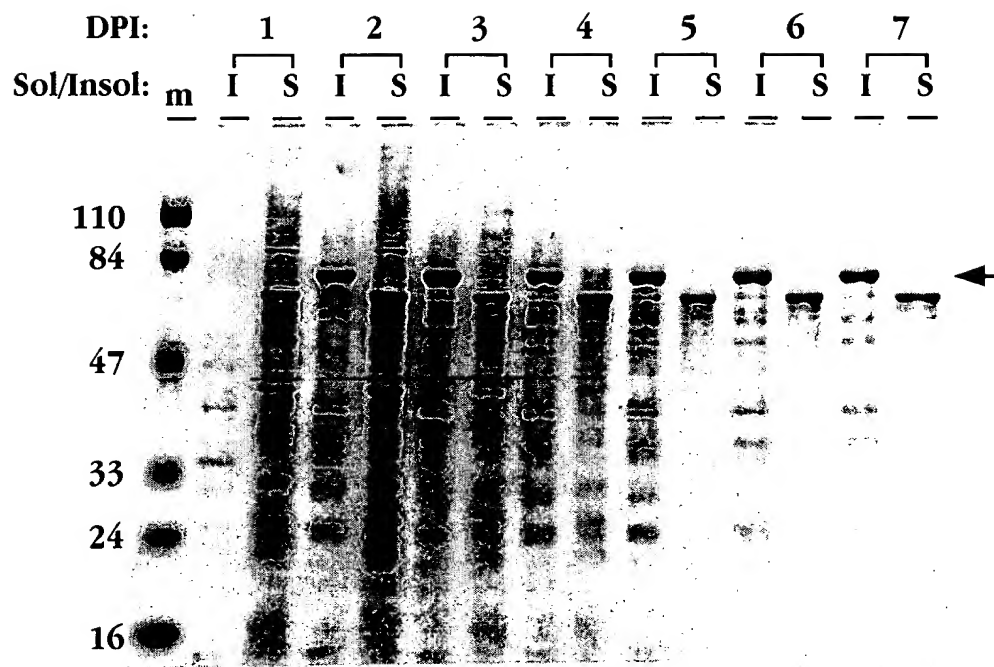


Fig. 6A

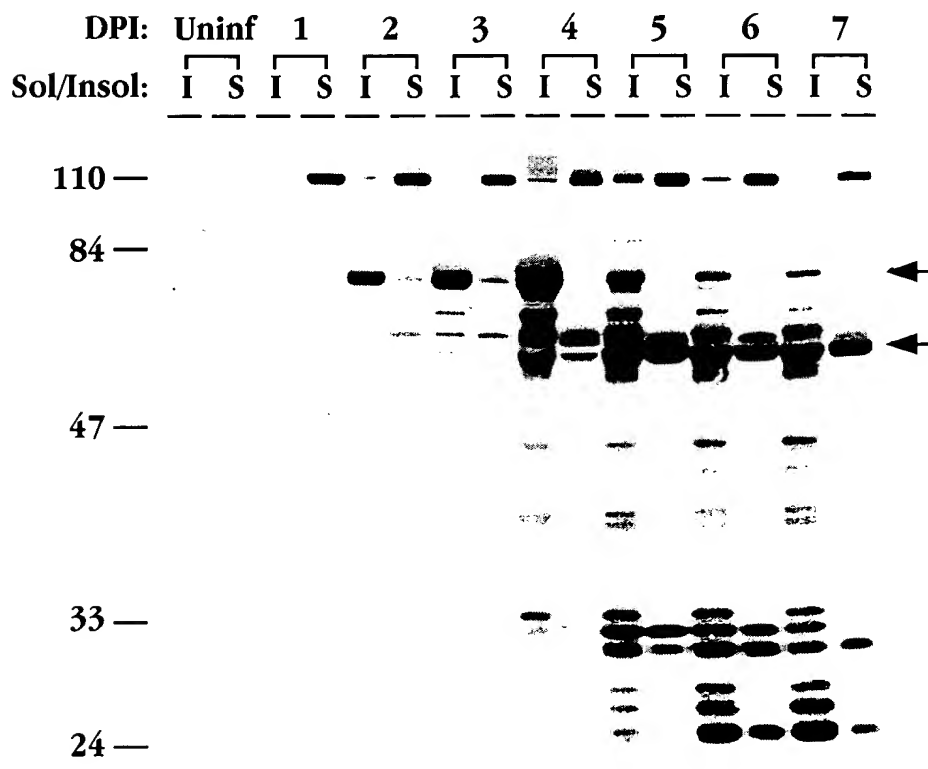


Fig. 6B

1076906 01491

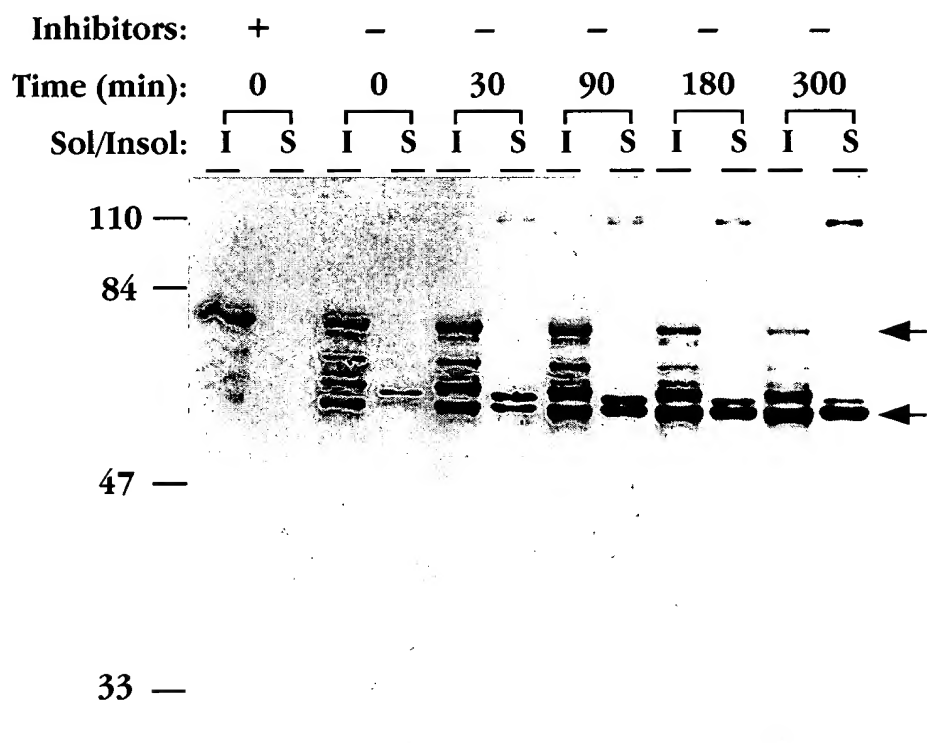


Fig. 7

0926006 0926006

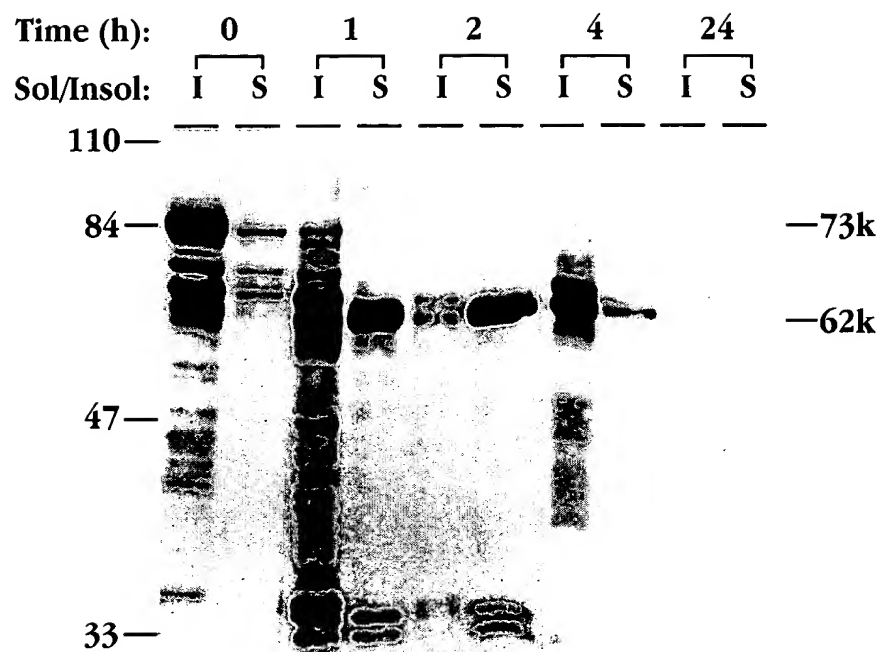


Fig. 8A

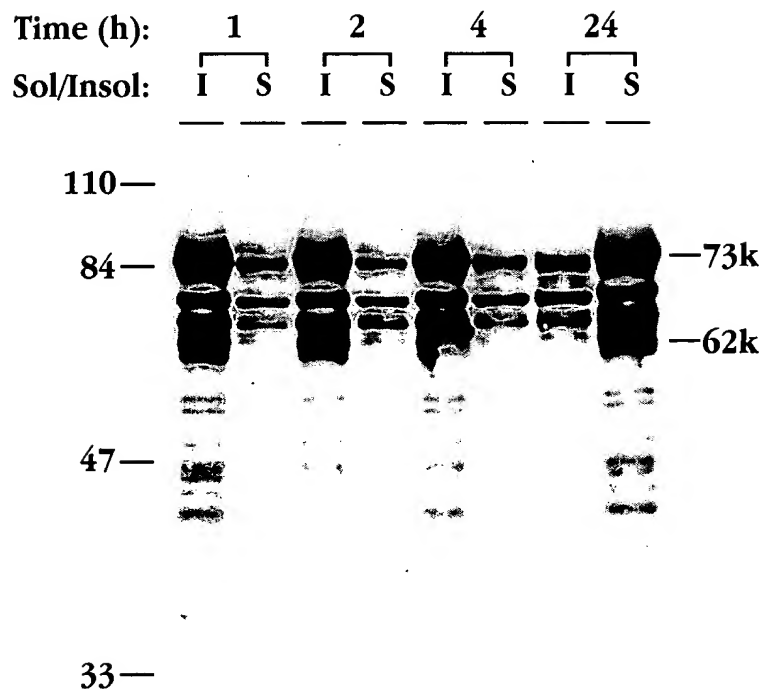


Fig. 8B

097400-99069260

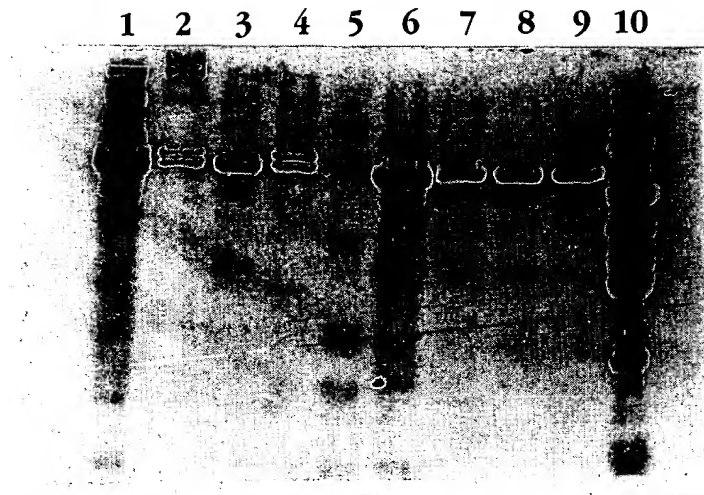


Fig. 9

SDS-PAGE

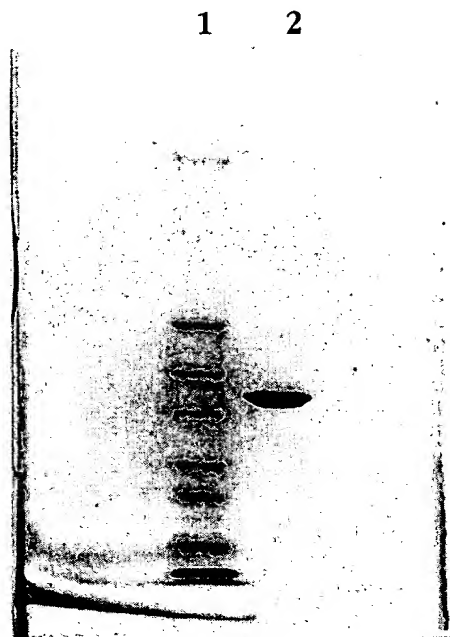


Fig. 10



Fig. 11A

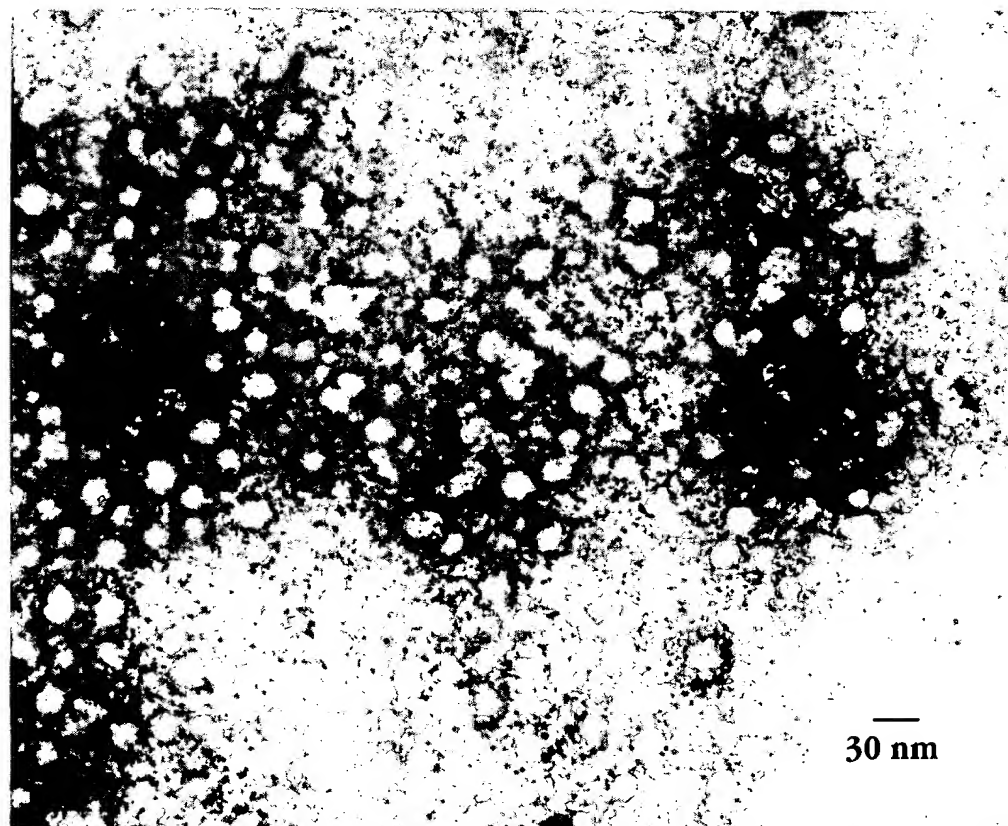


Fig. 11B

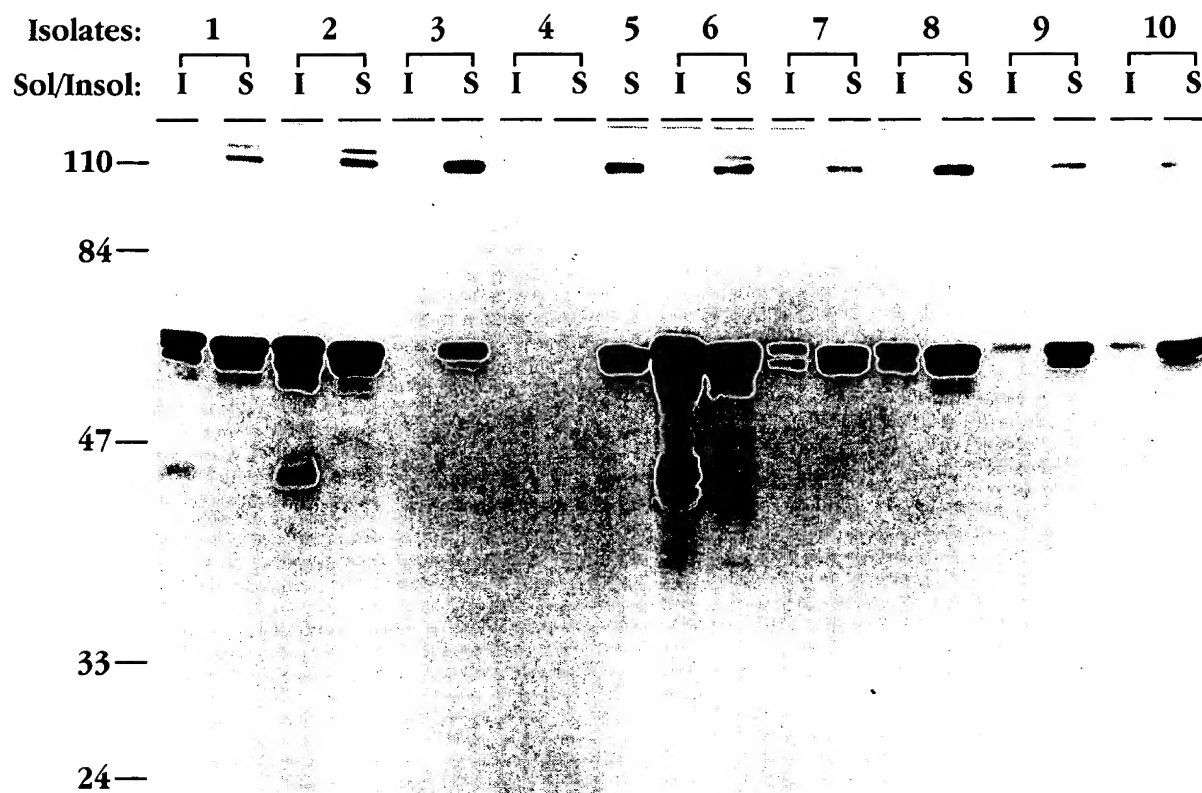


Fig. 12

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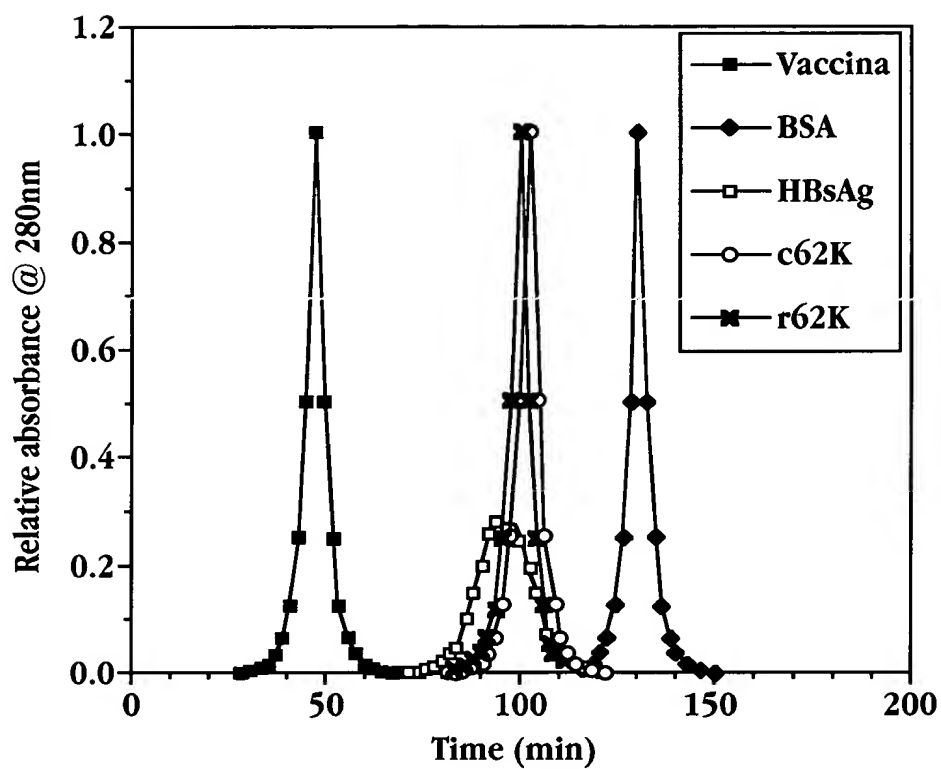


Fig. 13

	10	20	30
MEXICAN (SEQ ID NO:18)	ANQPGHLAPLGEIRPSAPPLPPVADLPQGLRR		

BURMA (SEQ ID NO:17)	ANPPDHSAPLGVTRPSAPPLPHVVDLPQLGPRR		
	10	20	30

Fig. 16

A black and white photograph of a film strip. At the top, six frames are labeled with numbers 1 through 6. The frames show a dark, grainy image of a person's face, possibly a woman. In frames 4, 5, and 6, a white outline of a mouth or jawline is visible against the dark background. The overall image is very dark and has a high level of contrast.

Fig. 14B













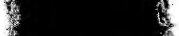



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	Challenge - NV Cynos	
	N	
	Pre-Cy9327	
	Pre-Cy9330	
	N	
	Challenge - Cy9327	
	Challenge - Cy9330	
	N	
	Uninfected Control	
	Infected Control	RNA Control
	Spike	
	N	
	1 fg (pos)	
	10 fg (pos)	
	100 fg (neg)	

Fig. 15